

# WOONSOCKET WWTF

Originally built in 1975, the Woonsocket facility is currently undergoing upgrades to help the often beleaguered plant deal with past permit violations. A regional facility serving northern Rhode Island and portions of nearby Massachusetts, the Woonsocket wastewater facility discharges into the Blackstone River. In 1999, Woonsocket leased the operation of the facility to US Filter. As part of this agreement, US Filter will also be responsible for improvements at the facility needed to ensure compliance with current permit limits and provide nutrient removal. New England Treatment Company, a for-profit company that incinerates the majority of Rhode Island's sludge, leases the city's incinerator and solids-handling facilities. The wastewater facility employs 13 operators and 5 mechanics.



**Superintendent:**  
**Address:**

**Roger Boltrushek**  
**Woonsocket WWTF**  
**11 Cumberland Hill Rd. (rear)**  
**Woonsocket, RI 02895**

**Telephone #:**  
**Fax #:**  
**E-mail:**

**762-5050**  
**762-5143**  
**wrrwc@bdol.com**



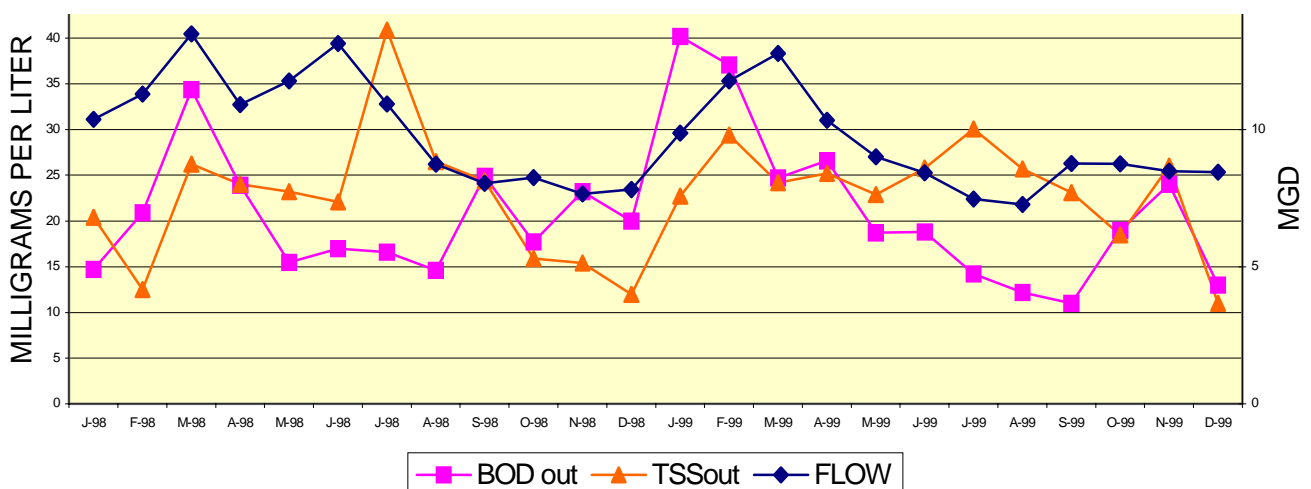
## Overall Treatment: Poor

Having no monthly violations for flow or fecal coliform but 3 for BOD (March 1998 and January and February 1999) and one for TSS (July 1998), in addition, with over 12 daily violations for BOD or TSS, and numerous violations for parameters not in this report, Woonsocket received a rating of Poor.

### CURRENT AND FUTURE CONCERNS

The facility's permit, which expired in October 1999, was re-drafted and will be reissued by July 2000. The City and the state are working jointly to resolve construction and operational issues as a result of legal action taken against Woonsocket previously. The City has submitted final plans for the majority of the required facility improvements.

WOONSOCKET EFFLUENT DATA - 1998/1999



# BEGAN OPERATION 1975

## ANNUAL SURVEY

PARAMETER	1996	1997	1998	1999	PERMIT LIMIT	VIOLATIONS 1998/1999
FLOW (MGD)	9.3	8.6	10.2	9.3	16	0/0
BOD INFLUENT (MG/L)	149.7	162.6	161.9	178.0		
BOD EFFLUENT (MG/L)	12.6	12.2	20.3	21.6	30	1/2
BOD INFLUENT (LBS./DAY)	11398.6	11361.1	13183.5	13444.0		
BOD EFFLUENT (LBS./DAY)	990.9	859.3	1743.8	1753.0		
BOD % REMOVAL	91.2	92.5	86.8	87.0		
TSS INFLUENT (MG/L)	124.3	122.9	126.1	147.0		
TSS EFFLUENT (MG/L)	22.3	27.7	22.0	23.7	30	1/0
TSS INFLUENT (LBS./DAY)	9513.4	8542.7	10236.0	11051.0		
TSS EFFLUENT (LBS./DAY)	1744.7	1865.8	1911.0	1844.0		
TSS % REMOVAL	81.8	78.1	81.3	83.3		
FECAL COLIFORM (MPN/100ML)	40.2	8.8	25.7	15.2	200.0	0/0
CHLORINE RESIDUAL (MG/L)			1.0	0.9	2.0*	0/3

\*Daily Maximum Limit (0.097 mg/l after 8/10/99)

## Operations & Maintenance

The facility was found to be deficient in the areas of operation and maintenance as evidenced by the permit violations in 1998 and 1999. In 1999, DEM filed a court action against the City for failure to comply with previous consent agreements which were entered into by DEM and the City to correct violations at the facility.

1998 O&M Rating: 5 out of 10

1999 O&M Rating: 5 out of 10

1998 Laboratory Rating: 4 out of 5

1999 Laboratory Rating: 5 out of 5

**Overall O&M Rating: Poor**

**1998**  
**SLUDGE DISPOSAL METHOD**  
Incineration (NETCO)

**SLUDGE PRODUCED**  
4134 DRY TONS

**1999**  
**SLUDGE DISPOSAL METHOD**  
Incineration (NETCO)

**SLUDGE PRODUCED**  
4617 DRY TONS

The City owns an incinerator which is operated under contract by the New England Treatment Company (NETCO). All the sludge generated by Woonsocket is disposed of in the incinerator. NETCO also accepts sludge from other WWTFs in RI and throughout New England.

## WOONSOCKET 1986 -1999 DATA

